

Raytheon Company - Unrestricted Content

Materials of Concern List

Date: December 4, 2023

It is RTX policy to eliminate or reduce the use of Materials of Concern (MOCs) in the design, manufacture, assembly, disassembly, maintenance, repair, overhaul, operation, and disposal of our products. The Raytheon Company (RAY) MOC list identifies materials that are prohibited or restricted from use in RAY products.

If any of these materials are used, designing suppliers shall submit an MOC Waiver Request to the applicable Raytheon Company Buyer for approval by the associated Program Team. The Program Team will review and inform the Buyer of the waiver disposition when a determination is made as to approval, conditional approval, or disapproval.

The following substances comprise the RAY MOC List.

1. Substances in the following NAS411-1 groups are prohibited:
 - a. Asbestos (friable)
 - b. Hexavalent Chromium Compounds
 - c. Mercury and Mercury Compounds
 - d. Ozone Depleting Substances (ODSs) Class I and II
 - e. Persistent Organic Pollutants (POPs)
 - f. Polychlorinated biphenyls (PCBs)
 - g. Cadmium and cadmium compounds
 - h. Lead and Lead compounds excluding the following usages:
 - i. Electronic components
 - ii. Solder alloys
 - iii. Anti-seize compounds
 - iv. Dry film lubricants

2. The following Persistent Bioaccumulative Toxic (PBT) Chemicals per TSCA are prohibited:
 - a. Tris(4-isopropylphenyl) phosphate (PIP 3:1)
 - b. Decabromodiphenyl ether (DecaBDE)
 - c. 2,4,6-Tris(1,1-dimethylethyl) phenol (2,4,6-TTBP)

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- d. Pentachlorothiophenol
 - e. Hexachloro-1,3-butadiene
3. The following Hydrofluorocarbons (HFCs) are targeted for minimization and elimination under the Environmental Protection Agency (EPA) American Innovation in Manufacturing (AIM) Act:
- a. HFC-134
 - b. HFC-134a
 - c. HFC-143
 - d. HFC245fa
 - e. HFC-365mfc
 - f. HFC-227ea
 - g. HFC-236cb
 - h. HFC-236ea
 - i. HFC-236fa
 - j. HFC245ca
 - k. HFC-43-10mee
 - l. HFC-32
 - m. HFC-125
 - n. HFC-143a
 - o. HFC-41
 - p. HFC-152
 - q. HFC-152a
 - r. HFC-23